

# Work Order ID 88963

August-13-12 7:56:57 AM

**\*88963\***

Page 1

Item ID: D2573

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Saddle, Aft Out 205

Stop **\*NS2\***

Start Date: 13/08/2012 Start Qty: 12.00

**\*12\***

Cust Item ID:

Required Date: 31/08/2012 Req'd Qty: 12.00

**\*12\***

Customer:

Reference:

Approvals: Process Plan: MLJ Date: 12/08/13

Tooling:

Date:

Run Start **\*NR1\***

QC: Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

Draw Nbr

Revision Nbr

D2573

Rev E

100

0.00

**\*100\***

HAAS CNC VERTICAL MACHINING #1

HAAS 1

Memo

0.00

HAAS CNC vertical machine #1

Program Batch No. 88963 Double check by: PK 1-Machine Step  
No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine  
Step No 2 per Folio FA051 and inspect per attached Dimension Sheets 3-  
Machine Step No 3 per Folio FA051 and insp

PK 12/09/07

PO 12/09/10

12

Ø

110

0.00

**\*110\***

CONVENTIONAL MILLING MACHINE

Mill Conv

Memo

0.00

Conventional Milling Machine

Machine keyway as per dwg D2573 & D2574

PO 12/09/10

12

Ø

120

QC2- Inspect parts off machine FAI/FAIB

0.00

**\*120\***

QC

Memo

0.00

Quality Control

PK 12/09/07

PO 12/09/10

12

Ø

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |   |   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
|--|---|---|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>  | Water Jet <input type="checkbox"/>  | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>  | Prod. Eng. Coord. <input type="checkbox"/>  | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>  | Rec/Store/Packaging <input type="checkbox"/>  | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>  | Supplier <input type="checkbox"/>   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |

| Root Cause                             | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|--|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Doc/Data <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Equip/Tooling <input type="checkbox"/> |      |      |     |   |                   |                    |             |              |              |
| Operator <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Material <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Setup <input type="checkbox"/>         |      |      |     |   |                   |                    |             |              |              |
| Other <input type="checkbox"/>         |      |      |     |   |                   |                    |             |              |              |
| Process <input type="checkbox"/>       |      |      |     |   |                   |                    |             |              |              |
| Supplier <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Training <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Unapproved <input type="checkbox"/>    |      |      |     |   |                   |                    |             |              |              |

**FAULT CATEGORY**

|   |   |   |
|---|---|---|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio | <input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |
|   |   | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge  |
|   |   | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other   |

# Work Order ID 88963

August-13-12 7:56:57 AM

**\*88963\***

Page 2

Item ID: D2573

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Item Name: Saddle, Aft Out 205

Stop

**\*NS2\***

Start Date: 13/08/2012 Start Qty: 12.00

**\*12\***

Cust Item ID:

Required Date: 31/08/2012 Req'd Qty: 12.00

**\*12\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

130 QC8- Inspect parts - second check

0.00

**\*130\***

QC

Memo

0.00

Quality Control

140 Chemical Conversion Coat per QSI005 4.1

0.00

**\*140\***

HandFinish

Memo

0.00

Hand Finishing

150 White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00

**\*150\***

Powdercoat

Powder Coating

Memo

START TIME:

FINISH TIME:

OVEN TEMPERATURE:

3200F

274S

m/21841

12x

m/ 12/09/11

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |   |   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
|--|---|---|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>  | Water Jet <input type="checkbox"/>  | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>  | Prod. Eng. Coord. <input type="checkbox"/>  | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>  | Rec/Store/Packaging <input type="checkbox"/>  | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>  | Supplier <input type="checkbox"/>   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |

| Root Cause                             | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|--|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Doc/Data <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Equip/Tooling <input type="checkbox"/> |      |      |     |   |                   |                    |             |              |              |
| Operator <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Material <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Setup <input type="checkbox"/>         |      |      |     |   |                   |                    |             |              |              |
| Other <input type="checkbox"/>         |      |      |     |   |                   |                    |             |              |              |
| Process <input type="checkbox"/>       |      |      |     |   |                   |                    |             |              |              |
| Supplier <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Training <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Unapproved <input type="checkbox"/>    |      |      |     |   |                   |                    |             |              |              |

**FAULT CATEGORY**

| Landing Gear  | General                                 | Other  |
|---|---|--|
| <input type="checkbox"/> Bending                      | <input type="checkbox"/> Bend           | <input type="checkbox"/> Grain                           |
| <input type="checkbox"/> Centre Not Concentric to O/S | <input type="checkbox"/> BOM/Route      | <input type="checkbox"/> Hardware                        |
| <input type="checkbox"/> Cracks                       | <input type="checkbox"/> Broken/Damaged | <input type="checkbox"/> Inspection Incomplete           |
| <input type="checkbox"/> Crushed/Crimped              | <input type="checkbox"/> Burrs          | <input type="checkbox"/> Instructions Incomplete/Unclear |
| <input type="checkbox"/> Cuffs                        | <input type="checkbox"/> Contamination  | <input type="checkbox"/> Maintenance                     |
| <input type="checkbox"/> Heat Treat                   | <input type="checkbox"/> Countersink    | <input type="checkbox"/> Mislabeled                      |
| <input type="checkbox"/> Inspection Strip in Tube     | <input type="checkbox"/> Cut Too Short  | <input type="checkbox"/> Misread                         |
| <input type="checkbox"/> Ripples in Bend              | <input type="checkbox"/> Drill Holes    | <input type="checkbox"/> Offset                          |
| <input type="checkbox"/> Torque Waves in Extrusion    | <input type="checkbox"/> Drawing        | <input type="checkbox"/> Out of Calibration              |
| <input type="checkbox"/> Turning Sequence             | <input type="checkbox"/> Finish         | <input type="checkbox"/> Out of Sequence                 |
| <input type="checkbox"/> Wave/Twist in Tube           | <input type="checkbox"/> Folio          | <input type="checkbox"/> Outside Dimensions              |
|   |   | <input type="checkbox"/> Ovalized                        |
|   |   | <input type="checkbox"/> Over/Under tolerance            |
|   |   | <input type="checkbox"/> Part Incorrect                  |
|   |   | <input type="checkbox"/> Part Lost/Missing               |
|   |   | <input type="checkbox"/> Part Moved                      |
|   |   | <input type="checkbox"/> Positioned Wrong                |
|   |   | <input type="checkbox"/> Power Loss/Surge                |
|   |   | <input type="checkbox"/> Pressure/Forced                 |
|   |   | <input type="checkbox"/> Temperature/Cure                |
|   |   | <input type="checkbox"/> Weld                            |
|   |   | <input type="checkbox"/> Wrong Stock Pulled              |
|   |   | <input type="checkbox"/> Other                           |

# Work Order ID 88963

August-13-12 7:56:57 AM

**\*88963\***

Page 3

Item ID: D2573

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Item Name: Saddle, Aft Out 205

Stop

**\*NS2\***

Start Date: 13/08/2012 Start Qty: 12.00

**\*12\***

Cust Item ID:

Required Date: 31/08/2012 Req'd Qty: 12.00

**\*12\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

160

QC3- Inspect Part Finish

0.00

**\*160\***

QC

Memo

0.00

Quality Control

12x d All 11/08/12

170

Identify as per dwg & Stock Location: 442

0.00

**\*170\***

Packaging

Memo

0.00

Packaging

5/12 8 12/9/12

180

QC21- Final Inspection - Work Order Release

0.00

**\*180\***

QC

Memo

0.00

Quality Control

12/9/13

12-04-12

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |      |      |   |   |                      |   |                |              |   |  |  |
|--|------|------|---|---|----------------------|---|----------------|--------------|---|--|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____   |      |      |   | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> |                      | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                |              |   |  |  |
| <b>Root Cause</b>  | Date | Step | Qty   | Description of work order update<br>or Non-conformance  | Initial<br>Chief Eng | Action<br>Description   | Sign &<br>Date | Verification | QC Inspector  |  |  |
| Doc/Data <input type="checkbox"/>  |      |      |   |   |                      |   |                |              |   |  |  |
| Equip/Tooling <input type="checkbox"/>   |      |      |   |   |                      |   |                |              |   |  |  |
| Operator <input type="checkbox"/>  |      |      |   |   |                      |   |                |              |   |  |  |
| Material <input type="checkbox"/>  |      |      |   |   |                      |   |                |              |   |  |  |
| Setup <input type="checkbox"/>   |      |      |   |   |                      |   |                |              |   |  |  |
| Other <input type="checkbox"/>   |      |      |   |   |                      |   |                |              |   |  |  |
| Process <input type="checkbox"/>   |      |      |   |   |                      |   |                |              |   |  |  |
| Supplier <input type="checkbox"/>  |      |      |   |   |                      |   |                |              |   |  |  |
| Training <input type="checkbox"/>  |      |      |   |   |                      |   |                |              |   |  |  |
| Unapproved <input type="checkbox"/>  |      |      |   |   |                      |   |                |              |   |  |  |
| <b>FAULT CATEGORY</b>  |      |      |   |   |                      |   |                |              |   |  |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |      |      | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio |   |                      | <input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions   |                |              | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><br><input type="checkbox"/> Other |  |  |

# Picklist Print

August-13-12 7:57:01 AM

Page 1

Work Order ID: 88963

\*88963\*

Parent Item: D2573

\*D2573\*

Parent Item Name: Saddle, Aft Out 205

Start Date: 13/08/2012

Required Date: 31/08/2012

Start Qty: 12.00

Required Qty: 12.00

Comments: IPP: I As Per RevE 06-01-27 JLM

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| D6101-007                       |                        | Manufactured  | No          |                     |                  | 100             | Each               | 22.0000        | 1           | 12           |               |                |        |

\*D6101-007\*

\*\*

Saddle Billet

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| MAT041   | 19      |          |
| 85432    | 1       |          |
| 87630    | 18      |          |
| MAT042   | 3       |          |
| 79875    | 1       |          |
| 85432    | 2       |          |
| 88516    |         |          |

12

F.K. 12/09/06

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
|--|-------------|-------------|---|---|--------------------------|---|------------------------|---------------------|--|--|---|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____   |             |             |   | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> |                          | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                        |                     |  |  |   |  |
| <b>Root Cause</b>  | <b>Date</b> | <b>Step</b> | <b>Qty</b>  | <b>Description of work order update or Non-conformance</b>  | <b>Initial Chief Eng</b> | <b>Action Description</b>   | <b>Sign &amp; Date</b> | <b>Verification</b> | <b>QC Inspector</b>  |  |   |  |
| Doc/Data <input type="checkbox"/>  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Equip/Tooling <input type="checkbox"/>   |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Operator <input type="checkbox"/>  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Material <input type="checkbox"/>  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Setup <input type="checkbox"/>   |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Other <input type="checkbox"/>   |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Process <input type="checkbox"/>   |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Supplier <input type="checkbox"/>  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Training <input type="checkbox"/>  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| Unapproved <input type="checkbox"/>  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| <b>FAULT CATEGORY</b>  |             |             |   |   |                          |   |                        |                     |  |  |   |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |             |             | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio |   |                          | <input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions   |                        |                     | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge |  | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |  |



|  |                     |                    |
|--|---------------------|--------------------|
| <b>DART AEROSPACE LTD</b>                | <b>Work Order:</b>  | 88963              |
| <b>Description:</b> Saddle, Aft Outboard | <b>Part Number:</b> | D2573              |
| <b>Inspection Dwg:</b> D2573 Rev. E      |                     | <b>Page 1 of 1</b> |

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

|               |       |       |                | Recorded Actual Dimensions |       |       |       | By | Date |
|---------------|-------|-------|----------------|----------------------------|-------|-------|-------|----|------|
| Dim           | Min   | Max   | Go/No Go Gauge | 1                          | 2     | 3     | 4     |    |      |
| A             | 0.438 | 0.443 |                | 0.439                      | 0.439 | 0.439 | 0.439 |    |      |
| B             | 1.745 | 1.755 |                | 1.750                      | 1.750 | 1.750 | 1.750 |    |      |
| C             | 3.495 | 3.505 |                | 3.500                      | 3.500 | 3.500 | 3.500 |    |      |
| D             | 1.745 | 1.755 |                | 1.750                      | 1.750 | 1.750 | 1.750 |    |      |
| E             | 7.990 | 8.010 |                | 8.001                      | 8.001 | 8.001 | 8.001 |    |      |
| F             | 0.490 | 0.510 |                | 0.500                      | 0.499 | 0.498 | 0.500 |    |      |
| G             | 0.257 | 0.262 |                | 0.258                      | 0.258 | 0.258 | 0.258 |    |      |
| H             | 0.375 | 0.380 |                | 0.377                      | 0.377 | 0.377 | 0.377 |    |      |
| I             | 0.490 | 0.510 |                | 0.502                      | 0.503 | 0.500 | 0.501 |    |      |
| J             | 1.174 | 1.184 |                | 1.179                      | 1.179 | 1.179 | 1.179 |    |      |
| K             | 0.558 | 0.578 |                | 0.567                      | 0.568 | 0.567 | 0.567 |    |      |
| L             | 1.174 | 1.184 |                | 1.179                      | 1.179 | 1.179 | 1.179 |    |      |
| M             | 1.365 | 1.375 |                | 1.370                      | 1.370 | 1.370 | 1.370 |    |      |
| N             | 2.495 | 2.505 |                | 2.500                      | 2.500 | 2.500 | 2.500 |    |      |
| O             | 4.119 | 4.129 |                | 4.124                      | 4.124 | 4.124 | 4.124 |    |      |
| P             | 0.115 | 0.135 |                | 0.127                      | 0.127 | 0.127 | 0.126 |    |      |
| Q             | 0.115 | 0.135 |                | 0.135                      | 0.135 | 0.135 | 0.135 |    |      |
| R             | 0.240 | 0.260 |                | 0.252                      | 0.251 | 0.251 | 0.252 |    |      |
| S             | 0.115 | 0.135 |                | 0.127                      | 0.126 | 0.126 | 0.126 |    |      |
| T             | 0.178 | 0.198 |                | 0.188                      | 0.188 | 0.188 | 0.188 |    |      |
| U             | 3.210 | 3.250 |                | 3.229                      | 3.229 | 3.229 | 3.229 |    |      |
| V             | 0.230 | 0.250 |                | 0.239                      | 0.238 | 0.239 | 0.238 |    |      |
| W             | 0.115 | 0.135 |                | 0.125                      | 0.123 | 0.124 | 0.125 |    |      |
| X             | 0.308 | 0.313 |                | 0.312                      | 0.312 | 0.311 | 0.312 |    |      |
| Y             | 0.760 | 0.765 |                | 0.760                      | 0.760 | 0.760 | 0.760 |    |      |
| Z             | 0.352 | 0.372 |                | 0.362                      | 0.362 | 0.362 | 0.362 |    |      |
| AA            | 0.470 | 0.530 |                | 0.500                      | 0.500 | 0.500 | 0.500 |    |      |
| AB            | 0.615 | 0.635 |                | 0.626                      | 0.626 | 0.625 | 0.626 |    |      |
| AC            | 0.053 | 0.073 |                | 0.063                      | 0.063 | 0.063 | 0.063 |    |      |
| AD            | 0.240 | 0.260 |                | 0.247                      | 0.247 | 0.247 | 0.247 |    |      |
| AE            | 1.500 | 1.520 |                | 1.514                      | 1.514 | 1.512 | 1.512 |    |      |
| AF            | 0.115 | 0.135 |                | 0.120                      | 0.120 | 0.120 | 0.120 |    |      |
| AG            | 0.240 | 0.280 |                | 0.275                      | 0.275 | 0.275 | 0.275 |    |      |
| AH            | 0.240 | 0.260 |                | 0.247                      | 0.247 | 0.247 | 0.247 |    |      |
| AI            | 2.000 | 2.020 |                | 2.004                      | 2.004 | 2.002 | 2.002 |    |      |
| AJ            | 0.023 | 0.043 |                | 0.033                      | 0.033 | 0.033 | 0.033 |    |      |
| Accept/Reject |       |       |                |                            |       |       |       |    |      |

|              |                     |
|--------------|---------------------|
| Measured by: | FK                  |
| Date:        | 12/09/07 / 12/09/08 |

|             |          |
|-------------|----------|
| Audited by: | 14       |
| Date:       | 12/09/11 |

| Rev | Date     | Change                                  | Revised by | Approved |
|-----|----------|---|------------|----------|
| A   |          | New Issue                               | RF         |          |
| B   | 02.09.26 | Re-format; Added Rev. D                 | KJ         |          |
| C   | 02.10.11 | Re-format; Added DT8682, DT8683, DT8684 | KJ         |          |
| D   | 05.05.05 | Added dimension AI                      | KJ/RF      |          |
| E   | 05.12.05 | Added dimension AJ                      | KJ/JLM     |          |

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |      |      |     |   |                      |   |                |              |              |  |  |
|--|------|------|-----|---|----------------------|---|----------------|--------------|--------------|--|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |      |      |     | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> |                      | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                |              |              |  |  |
| <b>Root Cause</b>  | Date | Step | Qty | Description of work order update<br>or Non-conformance  | Initial<br>Chief Eng | Action<br>Description   | Sign &<br>Date | Verification | QC Inspector |  |  |
| Doc/Data <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Equip/Tooling <input type="checkbox"/>                       |      |      |     |   |                      |   |                |              |              |  |  |
| Operator <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Material <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Setup <input type="checkbox"/>                               |      |      |     |   |                      |   |                |              |              |  |  |
| Other <input type="checkbox"/>                               |      |      |     |   |                      |   |                |              |              |  |  |
| Process <input type="checkbox"/>                             |      |      |     |   |                      |   |                |              |              |  |  |
| Supplier <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Training <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Unapproved <input type="checkbox"/>                          |      |      |     |   |                      |   |                |              |              |  |  |

| FAULT CATEGORY                    |   |  |  |  |   |   |  |  |   |   |
|-----------------------------------|---|--|--|--|---|---|--|--|---|---|
| <b>Landing Gear</b>               |   |  | <b>General</b>   |  |   |   |  |  |   |   |
| <input type="checkbox"/> Bending  | <input type="checkbox"/> Centre Not Concentric to O/S | <input type="checkbox"/> Cracks                | <input type="checkbox"/> Crushed/Crimped                 | <input type="checkbox"/> Cuffs         | <input type="checkbox"/> Heat Treat       | <input type="checkbox"/> Inspection Strip in Tube | <input type="checkbox"/> Ripples in Bend | <input type="checkbox"/> Torque Waves in Extrusion | <input type="checkbox"/> Turning Sequence | <input type="checkbox"/> Wave/Twist in Tube |
| <input type="checkbox"/> Bend     | <input type="checkbox"/> BOM/Route                    | <input type="checkbox"/> Broken/Damaged        | <input type="checkbox"/> Burrs                           | <input type="checkbox"/> Contamination | <input type="checkbox"/> Countersink      | <input type="checkbox"/> Cut Too Short            | <input type="checkbox"/> Drill Holes     | <input type="checkbox"/> Drawing                   | <input type="checkbox"/> Finish           | <input type="checkbox"/> Folio              |
| <input type="checkbox"/> Grain    | <input type="checkbox"/> Hardware                     | <input type="checkbox"/> Inspection Incomplete | <input type="checkbox"/> Instructions Incomplete/Unclear | <input type="checkbox"/> Maintenance   | <input type="checkbox"/> Mislabeled       | <input type="checkbox"/> Misread                  | <input type="checkbox"/> Offset          | <input type="checkbox"/> Out of Calibration        | <input type="checkbox"/> Out of Sequence  | <input type="checkbox"/> Outside Dimensions |
| <input type="checkbox"/> Ovalized | <input type="checkbox"/> Over/Under tolerance         | <input type="checkbox"/> Part Incorrect        | <input type="checkbox"/> Part Lost/Missing               | <input type="checkbox"/> Part Moved    | <input type="checkbox"/> Positioned Wrong | <input type="checkbox"/> Power Loss/Surge         | <input type="checkbox"/> Pressure/Forced | <input type="checkbox"/> Temperature/Cure          | <input type="checkbox"/> Weld             | <input type="checkbox"/> Wrong Stock Pulled |
| <input type="checkbox"/> Other    |   |  |  |  |   |   |  |  |   |   |

|  |                           |
|--|---------------------------|
| <b>DART AEROSPACE LTD</b>                | <b>Work Order:</b> 88963  |
| <b>Description:</b> Saddle, Aft Outboard | <b>Part Number:</b> D2573 |
| <b>Inspection Dwg:</b> D2573 Rev. E      | <b>Page 1 of 1</b>        |

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

| Dim | Min   | Max   | Go/No Go Gauge | Recorded Actual Dimensions |       |       |       | By | Date |
|-----|-------|-------|----------------|----------------------------|-------|-------|-------|----|------|
|     |       |       |                | 5                          | 6     | 7     | 8     |    |      |
| A   | 0.438 | 0.443 |                | 0.439                      | 0.439 | 0.439 | 0.439 |    |      |
| B   | 1.745 | 1.755 |                | 1.750                      | 1.750 | 1.750 | 1.750 |    |      |
| C   | 3.495 | 3.505 |                | 3.500                      | 3.500 | 3.500 | 3.500 |    |      |
| D   | 1.745 | 1.755 |                | 1.750                      | 1.750 | 1.750 | 1.750 |    |      |
| E   | 7.990 | 8.010 |                | 8.000                      | 8.000 | 8.000 | 8.000 |    |      |
| F   | 0.490 | 0.510 |                | 0.500                      | 0.500 | 0.500 | 0.500 |    |      |
| G   | 0.257 | 0.262 |                | 0.258                      | 0.258 | 0.258 | 0.258 |    |      |
| H   | 0.375 | 0.380 |                | 0.377                      | 0.377 | 0.377 | 0.377 |    |      |
| I   | 0.490 | 0.510 |                | 0.503                      | 0.502 | 0.502 | 0.502 |    |      |
| J   | 1.174 | 1.184 |                | 1.179                      | 1.179 | 1.179 | 1.179 |    |      |
| K   | 0.558 | 0.578 |                | 0.565                      | 0.567 | 0.563 | 0.567 |    |      |
| L   | 1.174 | 1.184 |                | 1.179                      | 1.179 | 1.179 | 1.179 |    |      |
| M   | 1.365 | 1.375 |                | 1.370                      | 1.370 | 1.370 | 1.370 |    |      |
| N   | 2.495 | 2.505 |                | 2.500                      | 2.500 | 2.500 | 2.500 |    |      |
| O   | 4.119 | 4.129 |                | 4.124                      | 4.124 | 4.124 | 4.124 |    |      |
| P   | 0.115 | 0.135 |                | 0.127                      | 0.127 | 0.127 | 0.126 |    |      |
| Q   | 0.115 | 0.135 |                | 0.135                      | 0.135 | 0.135 | 0.135 |    |      |
| R   | 0.240 | 0.260 |                | 0.252                      | 0.252 | 0.253 | 0.252 |    |      |
| S   | 0.115 | 0.135 |                | 0.125                      | 0.124 | 0.127 | 0.123 |    |      |
| T   | 0.178 | 0.198 |                | 0.188                      | 0.188 | 0.188 | 0.188 |    |      |
| U   | 3.210 | 3.250 |                | 3.229                      | 3.229 | 3.228 | 3.229 |    |      |
| V   | 0.230 | 0.250 |                | 0.238                      | 0.237 | 0.242 | 0.242 |    |      |
| W   | 0.115 | 0.135 |                | 0.125                      | 0.125 | 0.124 | 0.124 |    |      |
| X   | 0.308 | 0.313 |                | 0.311                      | 0.311 | 0.312 | 0.311 |    |      |
| Y   | 0.760 | 0.765 |                | 0.760                      | 0.760 | 0.760 | 0.760 |    |      |
| Z   | 0.352 | 0.372 |                | 0.362                      | 0.362 | 0.360 | 0.362 |    |      |
| AA  | 0.470 | 0.530 |                | 0.500                      | 0.500 | 0.500 | 0.500 |    |      |
| AB  | 0.615 | 0.635 |                | 0.626                      | 0.625 | 0.626 | 0.625 |    |      |
| AC  | 0.053 | 0.073 |                | 0.063                      | 0.063 | 0.063 | 0.063 |    |      |
| AD  | 0.240 | 0.260 |                | 0.247                      | 0.247 | 0.247 | 0.247 |    |      |
| AE  | 1.500 | 1.520 |                | 1.514                      | 1.514 | 1.513 | 1.513 |    |      |
| AF  | 0.115 | 0.135 |                | 0.120                      | 0.120 | 0.120 | 0.120 |    |      |
| AG  | 0.240 | 0.280 |                | 0.275                      | 0.275 | 0.275 | 0.275 |    |      |
| AH  | 0.240 | 0.260 |                | 0.247                      | 0.247 | 0.250 | 0.250 |    |      |
| AI  | 2.000 | 2.020 |                | 2.004                      | 2.004 | 2.003 | 2.003 |    |      |
| AJ  | 0.023 | 0.043 |                | 0.033                      | 0.033 | 0.033 | 0.033 |    |      |

Accept/Reject

|                 |
|-----------------|
| Measured by: PD |
| Date: 12/09/09  |

|                 |
|-----------------|
| Audited by: DAS |
| Date: 12/09/11  |

| Rev | Date     | Change                                  | Revised by | Approved |
|-----|----------|---|------------|----------|
| A   |          | New Issue                               | RF         |          |
| B   | 02.09.26 | Re-format; Added Rev. D                 | KJ         |          |
| C   | 02.10.11 | Re-format; Added DT8682, DT8683, DT8684 | KJ         |          |
| D   | 05.05.05 | Added dimension AI                      | KJ/RF      |          |
| E   | 05.12.05 | Added dimension AJ                      | KJ/JLM     |          |

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |      |      |     |   |                      |   |                |              |              |  |  |
|--|------|------|-----|---|----------------------|---|----------------|--------------|--------------|--|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |      |      |     | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> |                      | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                |              |              |  |  |
| <b>Root Cause</b>  | Date | Step | Qty | Description of work order update<br>or Non-conformance  | Initial<br>Chief Eng | Action<br>Description   | Sign &<br>Date | Verification | QC Inspector |  |  |
| Doc/Data <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Equip/Tooling <input type="checkbox"/>                       |      |      |     |   |                      |   |                |              |              |  |  |
| Operator <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Material <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Setup <input type="checkbox"/>                               |      |      |     |   |                      |   |                |              |              |  |  |
| Other <input type="checkbox"/>                               |      |      |     |   |                      |   |                |              |              |  |  |
| Process <input type="checkbox"/>                             |      |      |     |   |                      |   |                |              |              |  |  |
| Supplier <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Training <input type="checkbox"/>                            |      |      |     |   |                      |   |                |              |              |  |  |
| Unapproved <input type="checkbox"/>                          |      |      |     |   |                      |   |                |              |              |  |  |

| FAULT CATEGORY  |   |  |   |   |  |  |  |  |  |
|---|---|--|---|---|--|--|--|--|--|
| <b>Landing Gear</b>                                   |   |  | <b>General</b>                                |   |  |  |  |  |  |
| <input type="checkbox"/> Bending                      | <input type="checkbox"/> Bend           | <input type="checkbox"/> Grain                           | <input type="checkbox"/> Ovalized             | <input type="checkbox"/> Pressure/Forced    |  |  |  |  |  |
| <input type="checkbox"/> Centre Not Concentric to O/S | <input type="checkbox"/> BOM/Route      | <input type="checkbox"/> Hardware                        | <input type="checkbox"/> Over/Under tolerance | <input type="checkbox"/> Temperature/Cure   |  |  |  |  |  |
| <input type="checkbox"/> Cracks                       | <input type="checkbox"/> Broken/Damaged | <input type="checkbox"/> Inspection Incomplete           | <input type="checkbox"/> Part Incorrect       | <input type="checkbox"/> Weld               |  |  |  |  |  |
| <input type="checkbox"/> Crushed/Crimped              | <input type="checkbox"/> Burrs          | <input type="checkbox"/> Instructions Incomplete/Unclear | <input type="checkbox"/> Part Lost/Missing    | <input type="checkbox"/> Wrong Stock Pulled |  |  |  |  |  |
| <input type="checkbox"/> Cuffs                        | <input type="checkbox"/> Contamination  | <input type="checkbox"/> Maintenance                     | <input type="checkbox"/> Part Moved           |   |  |  |  |  |  |
| <input type="checkbox"/> Heat Treat                   | <input type="checkbox"/> Countersink    | <input type="checkbox"/> Mislabeled                      | <input type="checkbox"/> Positioned Wrong     |   |  |  |  |  |  |
| <input type="checkbox"/> Inspection Strip in Tube     | <input type="checkbox"/> Cut Too Short  | <input type="checkbox"/> Misread                         | <input type="checkbox"/> Power Loss/Surge     | <input type="checkbox"/> Other              |  |  |  |  |  |
| <input type="checkbox"/> Ripples in Bend              | <input type="checkbox"/> Drill Holes    | <input type="checkbox"/> Offset                          |   |   |  |  |  |  |  |
| <input type="checkbox"/> Torque Waves in Extrusion    | <input type="checkbox"/> Drawing        | <input type="checkbox"/> Out of Calibration              |   |   |  |  |  |  |  |
| <input type="checkbox"/> Turning Sequence             | <input type="checkbox"/> Finish         | <input type="checkbox"/> Out of Sequence                 |   |   |  |  |  |  |  |
| <input type="checkbox"/> Wave/Twist in Tube           | <input type="checkbox"/> Folio          | <input type="checkbox"/> Outside Dimensions              |   |   |  |  |  |  |  |

|  |                     |             |
|--|---------------------|-------------|
| <b>DART AEROSPACE LTD</b>                | <b>Work Order:</b>  | 88963       |
| <b>Description:</b> Saddle, Aft Outboard | <b>Part Number:</b> | D2573       |
| <b>Inspection Dwg:</b> D2573 Rev. E      |                     | Page 1 of 1 |

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

| Dim           | Min   | Max   | Go/No Go Gauge | Recorded Actual Dimensions |       |       |       | By | Date |
|---------------|-------|-------|----------------|----------------------------|-------|-------|-------|----|------|
|               |       |       |                | 9                          | 10    | 11    | 12    |    |      |
| A             | 0.438 | 0.443 |                | 0.439                      | 0.439 | 0.439 | 0.439 |    |      |
| B             | 1.745 | 1.755 |                | 1.750                      | 1.750 | 1.750 | 1.750 |    |      |
| C             | 3.495 | 3.505 |                | 3.500                      | 3.500 | 3.500 | 3.500 |    |      |
| D             | 1.745 | 1.755 |                | 1.750                      | 1.750 | 1.750 | 1.750 |    |      |
| E             | 7.990 | 8.010 |                | 8.000                      | 8.000 | 8.000 | 8.000 |    |      |
| F             | 0.490 | 0.510 |                | 0.500                      | 0.497 | 0.500 | 0.500 |    |      |
| G             | 0.257 | 0.262 |                | 0.258                      | 0.258 | 0.258 | 0.258 |    |      |
| H             | 0.375 | 0.380 |                | 0.377                      | 0.377 | 0.377 | 0.377 |    |      |
| I             | 0.490 | 0.510 |                | 0.502                      | 0.502 | 0.502 | 0.502 |    |      |
| J             | 1.174 | 1.184 |                | 1.179                      | 1.179 | 1.179 | 1.179 |    |      |
| K             | 0.558 | 0.578 |                | 0.568                      | 0.567 | 0.568 | 0.567 |    |      |
| L             | 1.174 | 1.184 |                | 1.179                      | 1.179 | 1.179 | 1.179 |    |      |
| M             | 1.365 | 1.375 |                | 1.370                      | 1.370 | 1.370 | 1.370 |    |      |
| N             | 2.495 | 2.505 |                | 2.500                      | 2.500 | 2.500 | 2.500 |    |      |
| O             | 4.119 | 4.129 |                | 4.124                      | 4.124 | 4.124 | 4.124 |    |      |
| P             | 0.115 | 0.135 |                | 0.127                      | 0.127 | 0.127 | 0.127 |    |      |
| Q             | 0.115 | 0.135 |                | 0.135                      | 0.135 | 0.135 | 0.135 |    |      |
| R             | 0.240 | 0.260 |                | 0.253                      | 0.252 | 0.253 | 0.253 |    |      |
| S             | 0.115 | 0.135 |                | 0.125                      | 0.124 | 0.125 | 0.128 |    |      |
| T             | 0.178 | 0.198 |                | 0.188                      | 0.188 | 0.188 | 0.188 |    |      |
| U             | 3.210 | 3.250 |                | 3.230                      | 3.228 | 3.229 | 3.229 |    |      |
| V             | 0.230 | 0.250 |                | 0.241                      | 0.241 | 0.243 | 0.240 |    |      |
| W             | 0.115 | 0.135 |                | 0.124                      | 0.124 | 0.124 | 0.125 |    |      |
| X             | 0.308 | 0.313 |                | 0.311                      | 0.311 | 0.311 | 0.311 |    |      |
| Y             | 0.760 | 0.765 |                | 0.760                      | 0.760 | 0.760 | 0.760 |    |      |
| Z             | 0.352 | 0.372 |                | 0.362                      | 0.362 | 0.362 | 0.362 |    |      |
| AA            | 0.470 | 0.530 |                | 0.500                      | 0.500 | 0.500 | 0.500 |    |      |
| AB            | 0.615 | 0.635 |                | 0.627                      | 0.626 | 0.626 | 0.625 |    |      |
| AC            | 0.053 | 0.073 |                | 0.063                      | 0.063 | 0.063 | 0.063 |    |      |
| AD            | 0.240 | 0.260 |                | 0.247                      | 0.247 | 0.247 | 0.247 |    |      |
| AE            | 1.500 | 1.520 |                | 1.514                      | 1.513 | 1.513 | 1.513 |    |      |
| AF            | 0.115 | 0.135 |                | 0.120                      | 0.120 | 0.120 | 0.120 |    |      |
| AG            | 0.240 | 0.280 |                | 0.275                      | 0.275 | 0.275 | 0.275 |    |      |
| AH            | 0.240 | 0.260 |                | 0.249                      | 0.249 | 0.249 | 0.249 |    |      |
| AI            | 2.000 | 2.020 |                | 2.004                      | 2.003 | 2.004 | 2.003 |    |      |
| AJ            | 0.023 | 0.043 |                | 0.033                      | 0.033 | 0.033 | 0.033 |    |      |
| Accept/Reject |       |       |                |                            |       |       | OK    |    |      |

|              |          |
|--------------|----------|
| Measured by: | PO       |
| Date:        | 12/09/10 |

|             |          |
|-------------|----------|
| Audited by: | 14       |
| Date:       | 12/09/11 |

| Rev | Date     | Change                                  | Revised by | Approved |
|-----|----------|---|------------|----------|
| A   |          | New Issue                               | RF         |          |
| B   | 02.09.26 | Re-format; Added Rev. D                 | KJ         |          |
| C   | 02.10.11 | Re-format; Added DT8682, DT8683, DT8684 | KJ         |          |
| D   | 05.05.05 | Added dimension AI                      | KJ/RF      |          |
| E   | 05.12.05 | Added dimension AJ                      | KJ/JLM     |          |

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

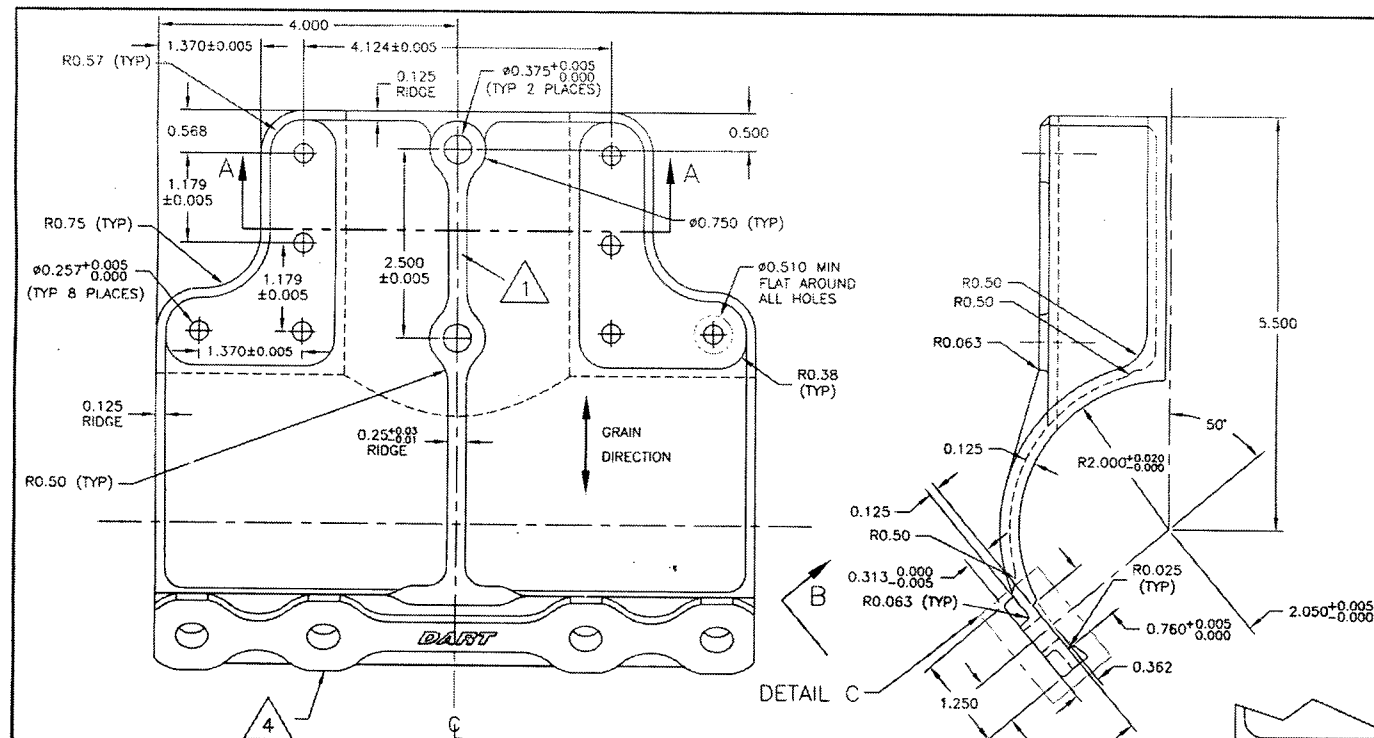
QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |   |   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
|--|---|---|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>  | Water Jet <input type="checkbox"/>  | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>  | Prod. Eng. Coord. <input type="checkbox"/>  | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>  | Rec/Store/Packaging <input type="checkbox"/>  | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>  | Supplier <input type="checkbox"/>   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |

| Root Cause                             | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|--|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Doc/Data <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Equip/Tooling <input type="checkbox"/> |      |      |     |   |                   |                    |             |              |              |
| Operator <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Material <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Setup <input type="checkbox"/>         |      |      |     |   |                   |                    |             |              |              |
| Other <input type="checkbox"/>         |      |      |     |   |                   |                    |             |              |              |
| Process <input type="checkbox"/>       |      |      |     |   |                   |                    |             |              |              |
| Supplier <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Training <input type="checkbox"/>      |      |      |     |   |                   |                    |             |              |              |
| Unapproved <input type="checkbox"/>    |      |      |     |   |                   |                    |             |              |              |

**FAULT CATEGORY**

|   |   |  |
|---|---|--|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio | <input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions<br><br><input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><br><input type="checkbox"/> Other |
|---|---|--|

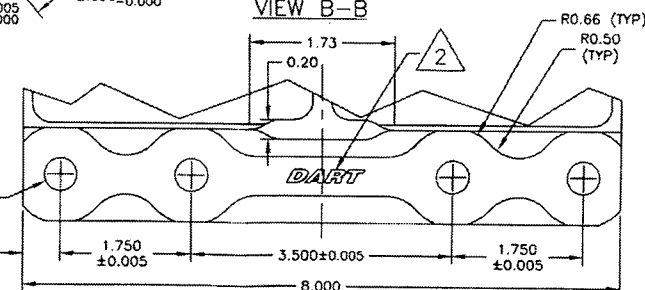


## NOTES

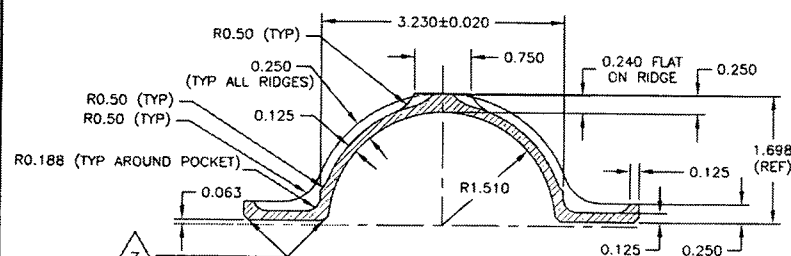
MATERIAL: 7075-T7351 (QQ-A-250/12)  
(REF DART SPEC. D6102-001)  
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1  
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER  
DART QSI 005 4.3  
BREAK ALL SHARP EDGES 0.010 TO 0.020  
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
- 2 ENGRAVE DART LOGO TO MAX DEPTH OF 0.015 WITH MIN RAD 0.125
- 3 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
- 4 CHAMFER 0.063" x 45° ALL AROUND
- 5 CHAMFER 0.033" x 45° (SEE DETAIL C)

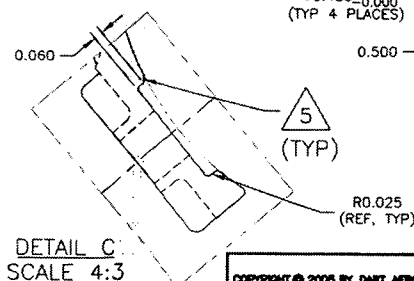
VIEW B-B





SECTION A-A



DETAIL C:  
SCALE 4:3



|   |  |  |
|---|--|--|
| E   | 05.07.13   | ADD CHAMFER ON RIDGE NOTE 5                                    |
| D   | 02.09.06   | ADD RIDGES; TIGHTEN TOLERANCES                                 |
| C   | 99.10.22   | INCORP. DEO 9123/9079/9102<br>ADD DIMENSIONS PER TSR A1177     |
| B   | 96.12.02   | ADD GRAIN DIR., 0.438 WAS 0.425                                |
| A   | 96.09.16   | NEW ISSUE  |
| DESIGN  |  | DRAWN BY   |
| DS  | PH   | <b>DART</b> DART AEROSPACE LTD.<br>HARRISBURY, ONTARIO, CANADA |
| CHECKED  | APPROVED  | DRAWING NO.  |
| DATE  |  | TITLE  |
| 05.07.13  |  | OUTER AFT SADDLE   |

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CONTROLLED COPY  
JECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER

WORK ORDER  
NO. 88963 MLJ  
12/08/13

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |   |  |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
|--|---|--|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS:</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>  | Water Jet <input type="checkbox"/>   | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>  | Prod. Eng. Coord. <input type="checkbox"/>   | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>  | Rec/Store/Packaging <input type="checkbox"/>   | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>  | Supplier <input type="checkbox"/>  |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Doc/Data      |      |      |     |   |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |   |                   |                    |             |              |              |
| Operator      |      |      |     |   |                   |                    |             |              |              |
| Material      |      |      |     |   |                   |                    |             |              |              |
| Setup         |      |      |     |   |                   |                    |             |              |              |
| Other         |      |      |     |   |                   |                    |             |              |              |
| Process       |      |      |     |   |                   |                    |             |              |              |
| Supplier      |      |      |     |   |                   |                    |             |              |              |
| Training      |      |      |     |   |                   |                    |             |              |              |
| Unapproved    |      |      |     |   |                   |                    |             |              |              |

**FAULT CATEGORY**

| Landing Gear  | General                                 | Other  |
|---|---|--|
| <input type="checkbox"/> Bending                      | <input type="checkbox"/> Bend           | <input type="checkbox"/> Grain                           |
| <input type="checkbox"/> Centre Not Concentric to O/S | <input type="checkbox"/> BOM/Route      | <input type="checkbox"/> Hardware                        |
| <input type="checkbox"/> Cracks                       | <input type="checkbox"/> Broken/Damaged | <input type="checkbox"/> Inspection Incomplete           |
| <input type="checkbox"/> Crushed/Crimped              | <input type="checkbox"/> Burrs          | <input type="checkbox"/> Instructions Incomplete/Unclear |
| <input type="checkbox"/> Cuffs                        | <input type="checkbox"/> Contamination  | <input type="checkbox"/> Maintenance                     |
| <input type="checkbox"/> Heat Treat                   | <input type="checkbox"/> Countersink    | <input type="checkbox"/> Mislabeled                      |
| <input type="checkbox"/> Inspection Strip in Tube     | <input type="checkbox"/> Cut Too Short  | <input type="checkbox"/> Misread                         |
| <input type="checkbox"/> Ripples in Bend              | <input type="checkbox"/> Drill Holes    | <input type="checkbox"/> Offset                          |
| <input type="checkbox"/> Torque Waves in Extrusion    | <input type="checkbox"/> Drawing        | <input type="checkbox"/> Out of Calibration              |
| <input type="checkbox"/> Turning Sequence             | <input type="checkbox"/> Finish         | <input type="checkbox"/> Out of Sequence                 |
| <input type="checkbox"/> Wave/Twist in Tube           | <input type="checkbox"/> Folio          | <input type="checkbox"/> Outside Dimensions              |
|   |   | <input type="checkbox"/> Ovalized                        |
|   |   | <input type="checkbox"/> Over/Under tolerance            |
|   |   | <input type="checkbox"/> Part Incorrect                  |
|   |   | <input type="checkbox"/> Part Lost/Missing               |
|   |   | <input type="checkbox"/> Part Moved                      |
|   |   | <input type="checkbox"/> Positioned Wrong                |
|   |   | <input type="checkbox"/> Power Loss/Surge                |
|   |   | <input type="checkbox"/> Pressure/Forced                 |
|   |   | <input type="checkbox"/> Temperature/Cure                |
|   |   | <input type="checkbox"/> Weld                            |
|   |   | <input type="checkbox"/> Wrong Stock Pulled              |
|   |   | <input type="checkbox"/> Other                           |